

# DART SERVICE INSTRUCTION

TO AMEND IIN-D139-799 REV. F AND ICA-D139-799 REV. 5

REF. FAA STC: SR02138SE  
REF EASA STC EASA.10038656

## PURPOSE

The purpose of this DSI is to clarify the installation of the D139-799-013 Cargo Door Fwd Opening Kit on aircraft that are equipped with 3P5230A01033 (LH) and 3P5230A01133 (RH) Cargo Doors with two gas springs (see Figure 3b of IIN-D139-799 Rev. F).

## PROCEDURE

Amend IIN-D139-799 Rev.F steps as follows:

- 3.2.1.2 Remove left/right hinges from the doors as shown in Figure 3a including the door open switches on the fwd hinge bracket. Remove left/right gas spring hinges (if installed) from the door as shown in Figure 3b. *On aircraft equipped with 3P5230A01033 (LH) and 3P5230A01133 (RH) Cargo Doors, remove 3P5230A15631 and 3P5230A15731 hinge brackets from the airframe as shown in Figure 1 of this DSI.*
- 3.2.2.10 Install the D4074-7 Striker Plate using 4 x CR3523-4 rivet as shown in Figure 5c Section G-G. *On aircraft equipped with 3P5230A01033 (LH) and 3P5230A01133 (RH) Cargo Door, trim Doorframe Channel as shown in Figure 2 of this DSI to allow space for alternate D4632-1 (LH) and D4632-2 (RH) striker plates. Install alternate D4632-1/-2 striker plate at the aft airframe hinge bracket location (see Figure 2 of this DSI). Transfer drill 4 x holes from 3P5340A31951 doubler to striker plate, and install using MS24694-S47 screw, NAS1149D0332J washer and MS21042L3 nut in 4 places.*
- 3.2.2.11 Install D4074-1/-5 Bracket/Backing Plate using the existing holes in the cargo door as shown in Figure 5b Detail E. Plug holes at center of the door used for original gas springs using existing hardware. Torque screws per Table 1. *On aircraft equipped with 3P5230A01033 (LH) and 3P5230A01133 (RH) Cargo Door, plug existing holes with Hysol EA934NA. Locate D4074-1 bracket at bottom of existing recess and transfer hole locations to door as shown in Figure 4 of this DSI. Install D4074-1/-5 brackets using hardware shown in Figure 5b Detail E of IIN-D139-799 Rev. F.*
- 3.2.2.12 Install D4074-3 Channel using existing hardware in original gas spring cut out as shown in Figure 5d Section I-I. *On aircraft equipped with 3P5230A01033 (LH) and 3P5230A01133 (RH) Cargo Doors, trim Doorframe Cover as shown in Figure 3 of this DSI to expose bottom side of Doorframe Channel. Locate D4074-3 Channel as shown in Figure 3 of this DSI and transfer 4 x  $\varnothing 0.173$ " (#17 drill) from the D4074-3 Channel to the Doorframe Channel. Install D4074-3 Channel using MS27039-0807 screw, NAS1149DN832J washer and MS21042L08 nut in 4 places.*

## PART LIST

*Note: The following parts are included in D139-799-013 at CHG 005 and later. For customers who already have D139-799-013 at CHG 004 and earlier, procure the DSI 9613-011 kit from Dart.*

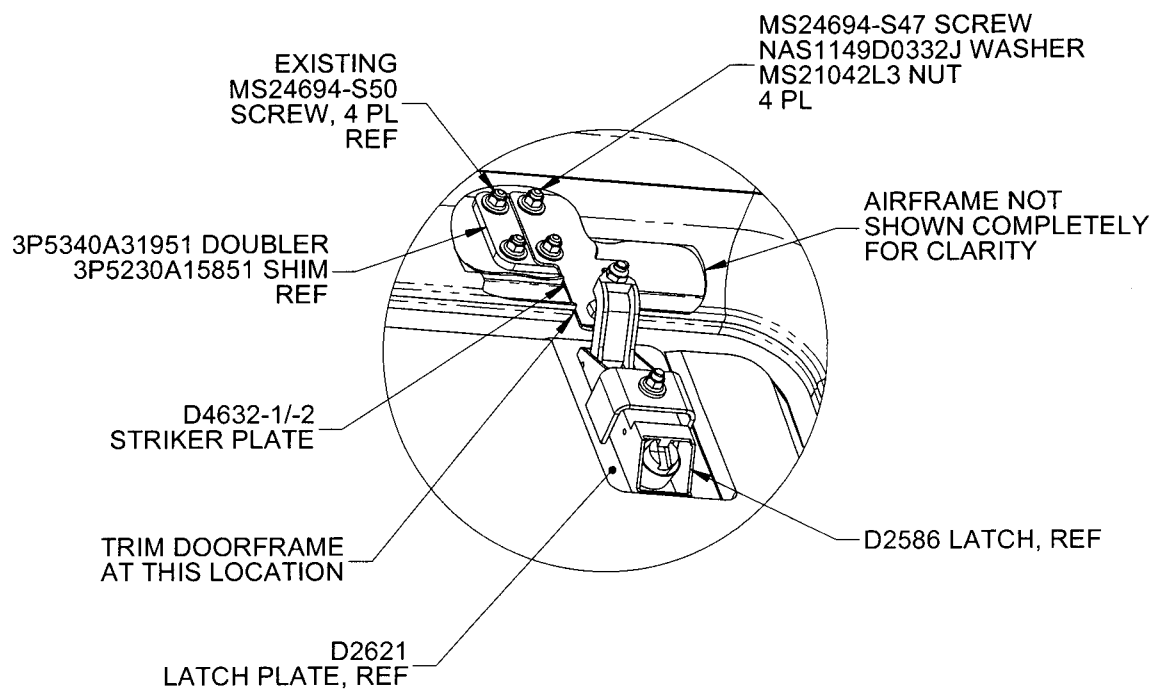
QTY. -011	PART NUMBER	DESCRIPTION
X	DSI 9613-011	CARGO DOOR HINGE MOD KIT
1	D4632-1	STRIKER PLATE
1	D4632-2	STRIKER PLATE
8	MS24694-S47	SCREW
8	MS27039-0807	SCREW
8	NAS1149DN832J	WASHER
8	NAS1149D0332J	WASHER
8	MS21042L08	NUT
8	MS21042L3	NUT

## WEIGHT & BALANCE

This DSI has a negligible effect on Weight & Balance

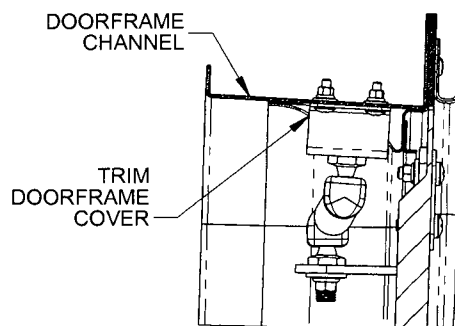
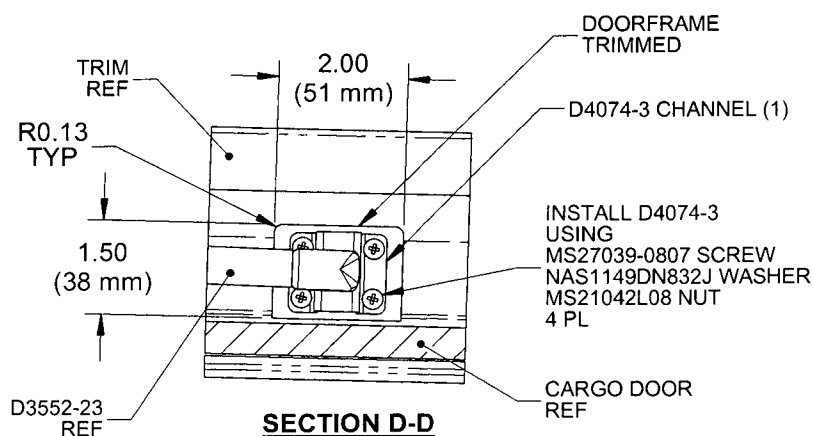
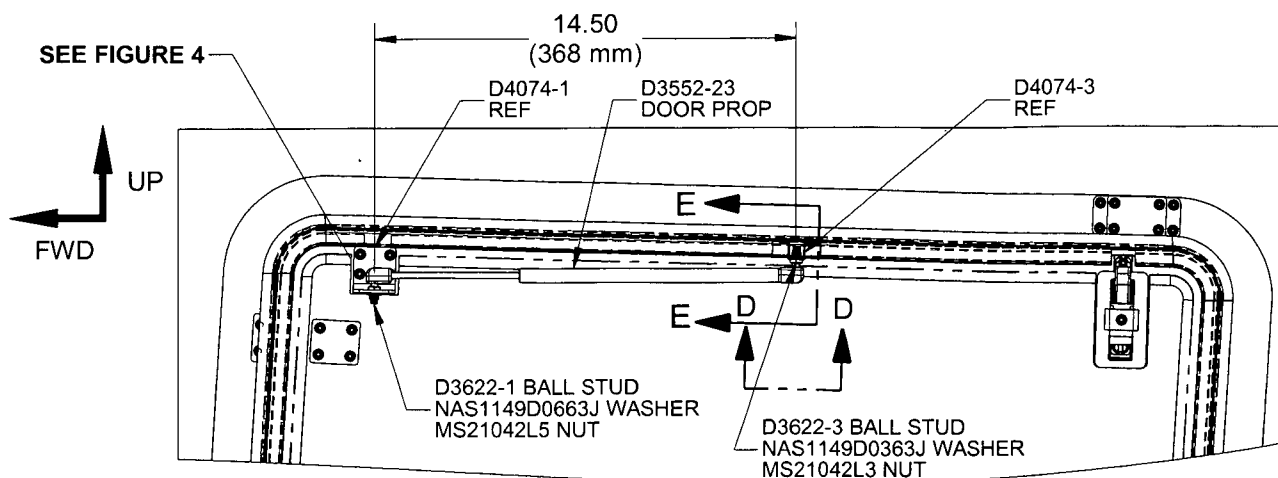
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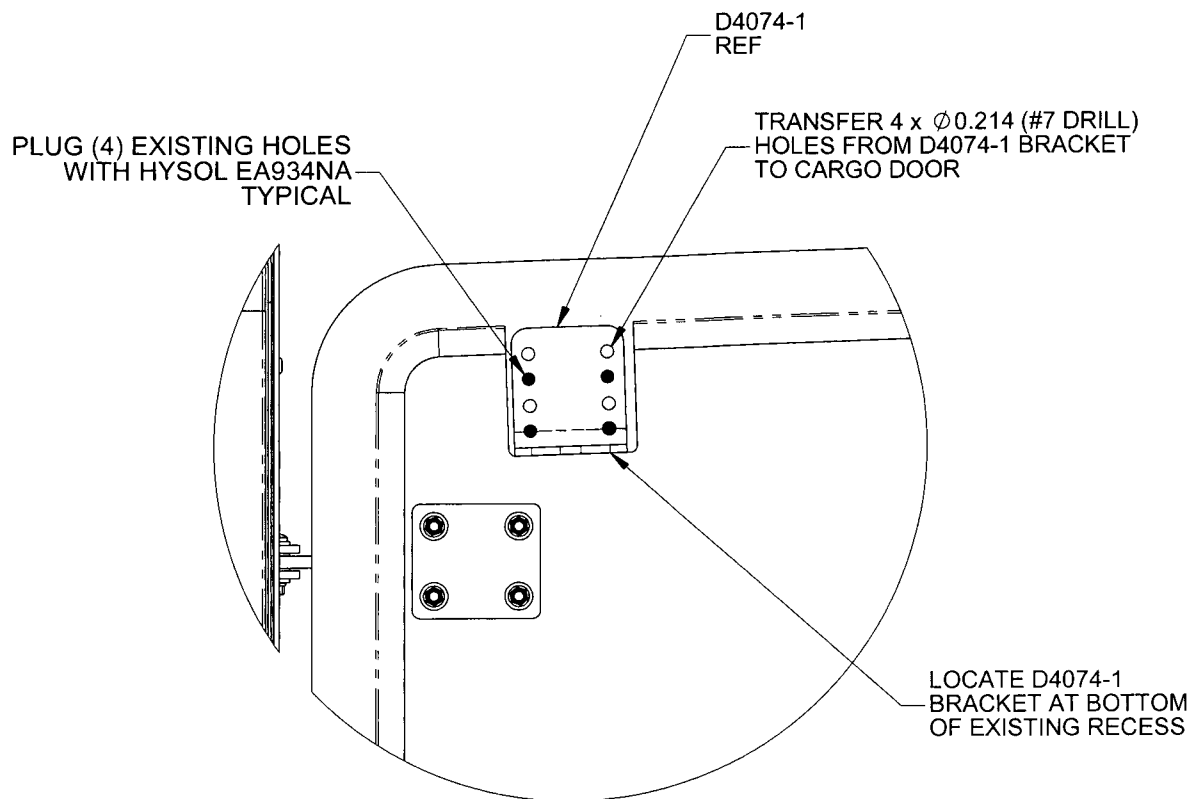
**FIGURE 2 - D4632-1/-2 STRIKER PLATE INSTALLATION**

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**FIGURE 3 - D4074-3 CHANNEL INSTALLATION**

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**FIGURE 4 - D4074-1 BRACKET INSTALLATION**

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